YNK-DBR No.....
Date.....

A.E.E/M.N.....
S.B.R. No: 29
DATE: 01-07-21

Original/Duplicate/ Triplicate
CONTRACT CERTIFICATE
(For Other Works)

Date.....2021.

No.....

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub – Division.**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 001-20-000063.**

Schedule Docket No. Head of Account: Est.Cost : 15.00 Lakhs B.R.No. :

Name of Work : **Construction of Toilet at Govt PU Collage in Kempegowda ward no -01 of yelahanka Sub division.**

Name of Contractor and Full Address: **Sri Chaitra Poornima K V (NCK Infra tech) 4th floor, Patel Nagegowda layout, Kodigehalli, Sahakanagara Bangalore – 560092.**

Reference to Agreement No. EE(YNK.D)E-PMT- 02 /W.O/ 86 /2020-21 Date: 03-07-2020.

Certified that the measurements were taken by me on 15-06-21 and recorded of Pages 4/95402 To 4/95525 of measurement Book No 4960.. and that the work is satisfactorily executed.

Chaitra Poornima K V
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 15/06/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher
      No.....Dated.....S.D. No.....
      adjusted towards cash advance recovery of
   b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within
9) Value of Government materials supplied.

Total amount adjusted

Amount	
Gross Amt =Rs	15.46.474-00
FSD @ 5%	6H25-00
CGST = 9%	13.808-00
SGST = 9%	13.808-00
IT = 1%	15.465-00
IC = 1%	15.465-00
CSF = 1%	15477-00
Royalty =Rs	12492-00
T.D. = Rs 5%	78.960-00
Net Amt=Rs	14.67.514-00

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1.
2.

Chaitra Poornima K V
Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Audited & Admitted for Rs. 14,67,514-00 in the Office.
Fifteen lakh Sixty Six thund. Fifteen hundred & Seventy four.
14,67,514-00 by Cheque
and Rs. 78,960-00 by adjustment

Accts. Supdt.
Yelahanka Division
BBMP

Executive Engineer

sl no	Description of work	Unit
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and directoin of site engineer in incharge.	Cum
2	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and directoin of site engineer in incharge.	Cum
3	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and directoin of site engineer in incharge.	Cum
4	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications. and directoin of site engineer in incharge.	Cum
5	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. and directoin of site engineer in incharge.	Cum
6	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and directoin of site engineer in incharge	Cum
7	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m including cost of all labour complete as per specifications Specification . and directoin of site engineer in incharge	Cum
8	Conveying the excavated earth, debries etc , with all lead and lifts including loading and unloading charges etc. complete as per the direction of the Engineer-in-charge and directoin of site engineer in incharge.	Cum
9	Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons Specification . and directoin of site engineer in incharge.	Sqm
10	Providing and removing centering, shuttering, strutting, propping etc , for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. and directoin of site engineer in incharge.	sqm
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons. and directoin of site engineer in incharge.	sqm
12	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., Complete as per specification and directoin of site engineer in incharge.	Cum
13	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated to all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications	Cum
14	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directoin of site engineer in incharge.	tonne

Measurment		Present Measurement					Rem
Qty	cost	Qty	Rate	Cost	Qty	cost	
-	-	22.68	509.12	11546.79	22.68	11546.79	
-	-	4.54	5785.12	26264.43	4.54	26264.43	
-	-	6.60	6147.96	40576.55	6.60	40576.55	
-	-	14.21	5211.37	74053.53	14.21	74053.53	
-	-	9.94	6682.93	66428.31	9.94	66428.31	
-	-	17.76	158.03	2806.63	17.76	2806.63	
-	-	3.89	227.91	886.58	3.89	886.58	
-	-	18.79	70.44	1323.53	18.79	1323.53	
-	-	8.88	331.10	2940.14	8.88	2940.14	
-	-	4.50	856.09	3852.40	4.50	3852.40	
-	-	38.16	453.56	17307.73	38.16	17307.73	
-	-	6.60	6233.00	41137.83	6.60	41137.83	
-	-	1.14	6854.38	7813.99	1.14	7813.99	
-	-	0.77	80467.80	61960.21	0.77	61960.21	

15	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and directoin of site engineer in incharge.	Sqm
16	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and directoin of site engineer in incharge.	Sqm
17	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directoin of site engineer in incharge.	Sqm
18	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directoin of site engineer in incharge.	sqm
19	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directoin of site engineer in incharge.	Sqm
20	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc ,complete as per specification and directoin of site engineer in incharge	Sqm
21	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and directoin of site engineer in incharge	Sqm
22	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directoin of site engineer in incharge	Sqm
23	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification and directoin of site engineer in incharge.	Sqm
24	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directoin of site engineer in incharge	Sqm
25	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications Specification No KBS 14.16, 14.17 Pg No 108,Item No14.41.2	Sqm
26	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications.and directoin of site engineer in incharge.	Nos
27	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification and directoin of site engineer in incharge	cum

-	-	75.03	1034.11	77589.24	75.03	77589.24	
-	-	51.45	919.59	47312.72	51.45	47312.72	
-	-	81.81	295.95	24211.33	81.81	24211.33	
-	-	7.12	231.31	1646.96	7.12	1646.96	
-	-	148.47	232.45	34511.53	148.47	34511.53	
-	-	7.12	88.44	629.72	7.12	629.72	
-	-	7.12	102.05	726.60	7.12	726.60	
-	-	81.81	385.52	31539.66	81.81	31539.66	
-	-	34.37	715.49	24591.25	34.37	24591.25	
-	-	34.37	1372.01	47155.96	34.37	47155.96	
-	-	147.80	1850.51	273505.64	147.80	273505.64	
-	-	1.00	1548.90	1548.90	1.00	1548.90	
-	-	0.04	99333.47	3973.34	0.04	3973.34	

28	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directoin of site engineer in incharge	sqm	-
29	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame and directoin of site engineer in incharge	m	-
30	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to	Sqm	-
31	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per .and directoin of site engineer in incharge	sqm	-
32	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m, sides and top sections 1.3 mm, thick, weight 0.933 kg/m shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick. weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc., providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved qualitycomplete as per specifications and directoin of site engineer in incharge	Sqm	-
33	Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directoin of site engineer in incharge	Kg	-
34	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directoin of site engineer in incharge	sqm	-
35	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications and directoin of site engineer in incharge.	cum	-
36	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directoin of site engineer in incharge.	Each	-
37	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directoin of site engineer in incharge.	Unit	

-	-	1.89	5354.24	10119.51	1.89	10119.51	
-	-	79.80	510.25	40718.06	79.80	40718.06	
-	-	22.05	4308.79	95008.81	22.05	95008.81	
-	-	1.50	109.99	164.98	1.50	164.98	
-	-	5.04	5028.81	25345.21	5.04	25345.21	
-	-	59.53	107.72	6412.56	59.53	6412.56	
-	-	6.30	107.72	678.63	6.30	678.63	
-	-	16.46	368.51	6065.76	16.46	6065.76	
-	-	14.00	5619.57	78673.96	14.00	78673.96	
-	-	3.00	3570.63	10711.88	3.00	10711.88	

38	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directoin of site engineer in incharge.	Unit
39	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each
40	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications .and directoin of site engineer in incharge.do- 110mm dia	m
41	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications .and directoin of site engineer in inchargdo- 160mm dia	m
42	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R C C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications .and directoin of site engineer in incharge.	Nos
43	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications .and directoin of site engineer in incharge.	Each
44	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications .and directoin of site engineer in incharge.	Each
45	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification .and directoin of site engineer in incharge.	Each
46	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. .and directoin of site engineer in incharge.	Each
47	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. .and directoin of site engineer in incharge.20mm nominal OD pipes	m
48	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. .and directoin of site engineer in incharge.25mm nominal OD pipes	m
49	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet complete as per specifications.Specification .and directoin of site engineer in incharge.Short point upto 3m	Point
50	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary complete as per specifications.Specification .and directoin of site engineer in incharge.25mm dia, 2mm thick	Rm

-	-	3.00	1288.10	3864.30	3.00	3864.30	
-	-	18.00	170.08	3061.51	18.00	3061.51	
-	-	15.00	492.11	7381.64	15.00	7381.64	
-	-	29.00	967.21	28049.09	29.00	28049.09	
-	-	7.00	9626.74	67387.20	7.00	67387.20	
-	-	1.00	23226.64	23226.64	1.00	23226.64	
-	-	17.00	196.16	3334.78	17.00	3334.78	
-	-	2.00	159.88	319.76	2.00	319.76	
-	-	1.00	380.99	380.99	1.00	380.99	
-	-	23.00	266.46	6128.69	23.00	6128.69	
-	-	6.00	332.23	1993.38	6.00	1993.38	
-	-	20.00	209.98	4199.60	20.00	4199.60	
-	-	25.00	55.64	1391.12	25.00	1391.12	

51	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary complete as per specifications.Specification and directoin of site engineer in incharge32mm dia, 2mm thick	Rm
52	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary complete as per specifications.Specification and directoin of site engineer in incharge 19/20mm dia, 2mm thick	Mtr
53	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary complete as per specifications.Specification and directoin of site engineer in incharge25mm dia, 2mm thick	Mtr
54	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall complete as per specifications.Specification and directoin of site engineer in incharge	Each
55	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 complete as per specifications.Specification and directoin of site engineer in incharge	Each
56	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.complete as per specifications.Specification and directoin of site engineer in incharge	No
57	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS 694 confirming to Latest endements complete as per specifications.Specification and directoin of site engineer in incharge2.5sqmm	Mtr
58	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS 694 confirming to Latest amendements complete as per specifications.Specification and directoin of site engineer in incharge 4sqmm	Mtr
59	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc , with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute.complete as per specifications.Specification and directoin of site engineer in incharge	Nos
60	Supplying of .....feet - PVC Batten with integrated LED tube .... W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x4'- 20/22 w complete as per specifications.Specification and directoin of site engineer in incharge	Each
61	Supply Exhaust fan if 1440 RPM of (12") size with dracket blades complete for light duty suitable to -oerate on 230V 50Hz, supply complete.complete as per specifications.Specification and directoin of site engineer in incharge	Each
62	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired complete as per specifications.Specification and directoin of site engineer in incharge	Each

Certificates:

The above work is done satisfactorily and complete in all respect.

There is no department Material issue for the above work.

This works comes under BBMP Limit.

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Vnk. Zn)
Yelahanka, Bangalore

-	-	13.00	87.14	1132.84	13.00	1132.84	
-	-	40.00	53.54	2141.80	40.00	2141.80	
-	-	10.00	56.69	566.95	10.00	566.95	
-	-	1.00	99.74	99.74	1.00	99.74	
-	-	15.00	138.59	2078.80	15.00	2078.80	
-	-	1.00	203.68	203.68	1.00	203.68	
-	-	35.00	33.60	1175.89	35.00	1175.89	
-	-	8.00	47.25	377.96	8.00	377.96	
-	-	1.00	1270.38	1270.38	1.00	1270.38	
-	-	22.00	393.71	8661.68	22.00	8661.68	
-	-	5.00	1259.88	6299.40	5.00	6299.40	
-	-	1.00	3966.52	3966.52	1.00	3966.52	
		Sub Total		1380780		1380780	
		GST 12%		165694		165694	
		Total		1546474		1546474	